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accelerometer AND polysilicon AND ("capacitive accele

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Chau, K.H.-L. / Lewis, S.R. / Zhao, Y. / Bart, S.F. / Marcheselli, R.G. / Howe, R.T.,  
*Sensors and Actuators A: Physical*, Jun 1996  
...force-balanced **capacitive accelerometer** for low-g applications...low-cost monolithic  
**accelerometer** which incorporates...micromachined **polysilicon** sensor with  
bipolar...across the sensor **polysilicon** layer. Fig. 5...Photomicrograph of the 5g  
**accelerometer** chip. mechanical...micromachined **polysilicon** pressure  
sensors...developing inte- grated **accelerometer** products. His...communications and  
**computer** science from the...  
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- ☐ 2. [Polysilicon integrated microsystems: Technologies and applications](#)  
Howe, R.T. / Boser, B.E. / Pisano, A.P., *Sensors and Actuators A: Physical*, Aug 1996  
...ofElectrical Engineering and Computer Sciences, 497 Gory Hall...established by the IC  
industry. **Polysilicon** integrated micro- systems...starting with a 50g **accelerometer** for  
air-bag deployment...single-struc- tural-layer **polysilicon** microstructure process [5]. An  
SEM of a BiMEMS **accelerometer**, the ADXL-05 low-g device...Analog Devices ADXL-09

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actuators

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- ☐ 3. [Silicon accelerometer based on thermopiles](#)  
Dauderstadt, U.A. / De Vries, P.H.S. / Hiratsuka, R. / Sarro, P.M., *Sensors and Actuators A: Physical*, Jan 1995  
...Table 1 the data of the thermal **accelerometer** are compared with a commercially  
available **accelerometer** based on the piezoresistive effect...damp- ing of an integrated  
silicon **capacitive accelerometer**, *Sensors and Actuators A*, 43...  
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- ☐ 4. [Deformation measurement of MEMS components using optical interferometry](#)  
S H Wang / C J Quan / C J Tay / I Reading / Z P Fang, *Measurement Science and Technology*, Jul 2003  
...For measurement of the **accelerometer**, the specimen and optical...axis translation-  
stage **Computer** CCD Monitor Printer Sodium...ratio of the fringes at the **polysilicon**  
surface of the microbeam...Fringe patterns on the **accelerometer** resulting from  
different...fringe patterns on the **accelerometer** at various loads. It is...  
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- ☐ 5. [Experimental evaluation and comparative analysis of commercial variable-capacitance MEMS accelerometers](#)  
Cenk Acar / Andrei M Shkel, *Journal of Micromechanics and Microengineering*, Sep 2003  
...variable-capacitance MEMS **accelerometers** Cenk Acar and...attained by a **capacitive accelerometer**, in spite of...silicon • **Polysilicon** • Nickel • **Polysilicon** Table 2. The  
**capacitive MEMS accelerometers** selected for...  
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Dauderstadt, U.A. / de Vries, P.H.S. / Hiratsuka, R. / Sarro, P.M., *Sensors and Actuators A: Physical*, Jan 1995  
...is not a problem. of **polysilicon** are functions of the...The requirements for

**accelerometers** used in the automotive...Today the e / thermal **accelerometer** does not meet all these...Comparison of the thermal **accelerometer** with one commercially...an integrated silicon **capacitive accelerometer**, Sensors Supply voltage...

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☐ 7. [Subject index of volumes A46 and A47](#)

*Sensors and Actuators A: Physical*, Mar 1995

...190 silicon **accelerometer** based on thermopiles...surface-machined **accelerometers** fabricated in **polysilicon** gate material...including a silicon **capacitive accelerometer**, CMOS switched...colours, 47, 453 **Computer-aided design**...

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☐ 8. [Future of microelectromechanical systems \(MEMS\)](#)

**Bao, M. / Wang, W.**, *Sensors and Actuators A: Physical*, Aug 1996

...microaccelerometer, the force- balanced **accelerometer**, is in fact a MEMS device...is fabricated by means of **polysilicon** surface micromachining...material [11] and thick epi-**polysilicon** have also been developed...operation pattern to the **accelerometer** and can also find wide applications...actuators A 56 (1996) 135-141 **computer** applications such as an...

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